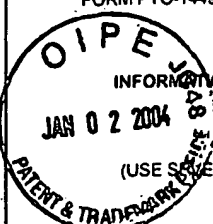



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5051-3382 T	APPLICATION NO. 09/021,286 09/463,340
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998 September 24, 2004	GROUP 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
RK	1	2001/0026941 A1	10/04/01	Held et al.			
	2	6,281,410	08/28/01	Knauf et al.			01/15/99
	3	6,271,031	08/07/01	Falco et al.			08/09/99
	4	2001/0006797 A1	07/05/01	Kumagai et al.			
	5	6,255,560	07/03/01	Fraley et al.			01/11/99
	6	6,174,724	01/16/01	Rogers et al.			05/04/95
	7	6,165,715	12/26/00	Collins et al.			
	8	6,051,757	04/18/00	Barton et al.			06/05/95
	9	6,051,409	04/18/00	Hansen et al.			
	10	6,022,863	02/08/00	Peyman			
	11	5,994,629	11/30/99	Bojsen et al.			
	12	5,981,839	11/09/99	Knauf et al.			03/07/97
	13	5,976,880	11/02/99	Sautter et al.			
	14	5,962,768	10/05/99	Cornelissen et al.			
	15	5,932,782	08/03/99	Bidney			
	16	5,929,306	07/27/99	Torisky et al.			
	17	5,858,742	01/12/99	Fraley et al.			06/24/96
	18	5,858,774	01/12/99	Malbon et al.			10/16/95
	19	5,851,804	12/22/98	Snyder et al.			
	20	5,837,876	11/17/98	Conkling et al.			07/28/95
	21	5,834,236	11/10/98	Lamb et al.			
	22	5,830,728	11/03/98	Christou et al.			
	23	5,776,502	07/07/98	Foulkes et al.			
	24	5,776,771	07/07/98	Yu et al.			
	25	5,767,378	06/16/98	Bojsen et al.			
RK	26	5,759,829	06/02/98	Shewmaker et al.			06/05/95

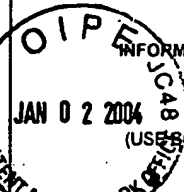
EXAMINER	/Russell Kallis/	DATE CONSIDERED	07/10/2006
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
	APPLICANT Conkling et al.	
	FILING DATE 10 February 1998	GROUP 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
RK	27	5,731,179	03/24/98	Komari et al.			
	28	5,723,751	03/03/98	Chua			
	29	5,877,023	03/02/98	Sautter et al.			
	30	5,713,376	02/03/98	Berger			05/13/98
	31	5,693,512	12/02/97	Finer et al.			
	32	5,668,295	09/16/97	Wahab et al.			03/03/95
	33	5,635,381	06/03/97	Hooykaas et al.			
	34	5,530,196	06/25/96	Fraley et al.			09/02/94
	35	5,501,967	03/26/96	Offringa et al.			
	36	5,989,915	11/23/95	Christou et al.			
	37	5,464,763	11/07/95	Schilperoort et al.			12/23/93
	38	5,459,252	10/17/95	Conkling et al.			04/28/94
	39	5,352,605	10/04/94	Fraley et al.			10/28/93
	40	5,283,184	02/01/94	Jorgensen et al.			
	41	5,272,065	12/21/93	Inouye et al.			06/21/90
	42	5,231,020	07/27/93	Jorgensen et al.			
	43	5,208,149	05/04/93	Inouye et al.			04/10/92
	44	5,190,931	03/02/93	Inouye et al.			11/15/89
	45	5,149,645	09/22/92	Hoekema et al.			
	46	5,100,792	03/31/92	Sanford et al.			
	47	5,036,006	07/30/91	Sanford et al.			
	48	5,034,322	07/23/91	Rogers et al.			04/05/89
	49	4,954,442	09/04/90	Gelvin et al.			
	50	4,945,050	07/31/90	Sanford et al.			
	51	4,940,838	07/10/90	Schilperoort et al.			02/23/84
	52	4,885,248	12/05/89	Ahlquist			
RK	53	4,762,785	08/09/88	Comai			

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)</p>		APPLICANT Conkling et al.	
		FILING DATE 10 February 1998	GROUP 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
RK	54	4,693,976	09/15/87	Schilperoort			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RK	55	0 116 718 A1	29.08.84	European Patent Office				
	56	0 120 515 A2	03.10.84	European Patent Office				
	57	0 120 515 B1	03.10.84	European Patent Office				
	58	0 120 516 A2	03.10.84	European Patent Office				
	59	0 131 620 B1	23.01.85	European Patent Office				
	60	0 131 623 B1	06.03.91	European Patent Office				
	61	0 131 624 B1	23.01.85	European Patent Office				
	62	0 140 308 A2	08.05.85	European Patent Office				
	63	0 140 308 A3	08.05.85	European Patent Office				
	64	0 140 308 B1	08.05.85	European Patent Office				
	65	0 159 779 B1	30.10.85	European Patent Office				
	66	0 176 112 B1	02.04.86	Patent Cooperation Treaty				
	67	0 189 707 B1	06.08.86	European Patent Office				
	68	0 223 399 A1	27.05.87	European Patent Office				
	69	0 223 399 B1	27.05.87	Patent Cooperation Treaty				
	70	0 224 287 A1	03.06.87	European Patent Office				
	71	0 240 208 A2	07.10.87	European Patent Office				
	72	0 240 208 A3	07.10.87	European Patent Office				
	73	0 240 208 B1	07.10.87	European Patent Office				
	74	0 265 556 A1	04.05.88	European Patent Office				
	75	0 270 822 A1	15.06.88	European Patent Office				
RK	76	0 290 799 A2	17.11.88	European Patent Office				

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1638

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RK	77	0 290 799 A3	17.11.88	European Patent Office				
	78	0 320 500 A2	14.06.89	European Patent Office				
	79	0 320 500 A3	14.06.89	European Patent Office				
	80	0 458 367 A1	27.11.91	European Patent Office				
	81	0 486 214 A2	20.05.92	European Patent Office				
	82	0 486 214 A3	20.05.92	European Patent Office				
	83	0 486 234 B1	20.05.92	European Patent Office				
	84	EP 0 131 623 B2	23.01.85	European Patent Office				
	85	EP 0 458 367 B1	27.11.91	European Patent Office				
	86	EP 0 467 349 B1	22.01.92	European Patent Office				
	87	WO 84/ 02913	02.08.84	Patent Cooperation Treaty				
	88	WO 84/ 02919	02.08.84	Patent Cooperation Treaty				
	89	WO 84/ 02920	02.08.84	Patent Cooperation Treaty				
	90	WO 93/05646	01.04.93	Patent Cooperation Treaty				
	91	CA 1,341,091	05.09.00	Canadian Intellectual Property Office				
	92	WO 02/00927	03.01.02	Patent Cooperation Treaty				
	93	WO 00/12735	09.03.00	Taylor et al.				
	94	WO 00/18939	06.04.00	Bidney et al.				
	95	WO 00/29566	25.05.00	Reismeier et al.				
	96	WO 00/37060	29.06.00	Keller et al.				
	97	WO 00/37663	29.06.00	Harrison et al.				
	98	WO 00/63398	26.10.00	Risacher et al.				
	99	WO 00/67558	16.11.00	Timko				
	100	WO 01/09302	08.02.01	Armstrong et al.				
	101	WO 01/38514	31.05.01	Held et al.				
	102	WO 01/44482	21.06.01	Depicker et al.				
RK	103	WO 01/49844	12.07.01	Driscoll et al.				

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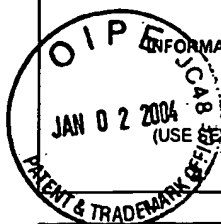
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10 February 1998GROUP
1638

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RK	104	WO 01/51630 A1	19.07.01	Kearney et al.				
	105	WO 01/68836 A2	20.09.01	Beach et al.				
	106	WO 01/77350 A2	18.10.01	Palmer et al.				
	107	WO 90/12084	18.10.90	Jorgensen et al.				
	108	WO 91/02070	21.02.91	Offringa et al.				
	109	WO 93/05163	18.03.93	Okkels et al.				
	110	WO 92/15680	17.09.92	Roth et al.				
	111	WO 93/05646	01.04.93	Davis et al.				
	112	WO 93/17116	02.09.93	Hooykaas et al.				
	113	WO 94/20627	15.09.94	Bojsen et al.				
	114	WO 94/26913	24.11.94	Cornelissen et al.				
	115	WO 94/28142	08.12.94	Wahab et al.				
	116	WO 95/16031	15.06.95	Komari et al.				
	117	WO 95/34668	21.12.95	Kumagai et al.				
	118	WO 95/35388	28.12.95	Mathews et al.				
	119	WO 96/21725	18.07.96	Hamilton				
	120	WO 97/05261	13.02.97	Conkling et al.				
	121	WO 97/08330	06.03.97	Collins et al.				
	122	WO 97/12046	03.04.97	Hansen et al.				
	123	WO 97/32016	04.09.97	Finer et al.				
	124	WO 97/41892	13.11.97	Snyder et al.				
	125	WO 97/44450	27.11.97	Peyman				
	126	WO 97/49727	31.12.97	Lamb et al.				
	127	WO 98/05757	12.02.98	Thompson et al.				
	128	WO 98/30701	16.07.98	Meyer				
	129	WO 98/32843	30.07.98	Zwick et al.				
RK	130	WO 99/10512	04.03.99	Dirks et al.				

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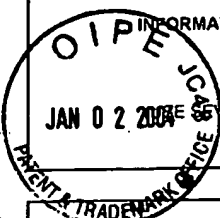
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RK	131	WO 99/14348	25.03.99	Lefebvre et al.				
	132	WO 99/25854	27.05.99	Gordon-Kamm et al.				
	133	WO 99/32619	01.07.99	Fire et al.				
	134	WO 99/32642	01.07.99	Lowe et al.				
	135	WO 99/49029	30.09.99	Graham et al.				
	136	WO 99/53050	21.10.99	Waterhouse et al				
RK	137	WO 99/61631	02.12.99	Heifetz et al				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
RK	138	Beck et al., "Nucleotide Sequence and Exact Localization of the Neomycin Phosphotransferase Gene from Transposon Tn 5", Gene, 19: 327-336 (1982).
	139	Bevan & Flavell, "A Chimaeric Antibiotic Resistance Gene as a Selectable Marker for Plant Cell Transformation", Nature, 304: 184-187 (1983).
	140	Chilton et al., "Tailoring the Agrobacterium Ti Plasmid as a Vector for Plant Genetic Engineering", Stadler Symp., 13: 39-53 (1981).
	141	Colbere-Garapin et al., "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol., 150: 1-14 (1981).
	142	Davies and Jimenez, "A New Selective Agent for Eukaryotic Cloning Vectors", Am. J. Trop. Med. Hyg., 29(5): 1089-1092 (1980).
	143	Depicker et al., "Nopaline Synthase: Transcript Mapping and DNA Sequence", Journal of Molecular and Applied Genetics, 1(6): 561-573 (1982).
	144	Fraley et al., "Expression of Bacterial Genes in Plant Cells", Proc. Natl. Acad. Sci. USA, 80: 4803-4807 (1983).
	145	Fraley et al., "Use of a Chimeric Gene to Confer Antibiotic Resistance to Plant Cells", Advances in Gene Technology: Molecular Genetics of Plants and Animals, 20: 211-221 (1983).
	146	Framond et al., "Mini-Ti: A New Vector Strategy for Plant Genetic Engineering", BIO/TECHNOLOGY, 5: 262-269 (1983).
	147	Halk et al., "Cloning of Alfalfa Mosaic Virus Coat Protein Gene and Anti-Sense RNA into Binary Vector and Their Expression in Transformed Tobacco Tissue", Molecular Strategies for Crop Protection, p.41.
	148	Hermaisteens et al., "The Agrobacterium Tumefaciens Ti Plasmid as a Host Vector System for Introducing Foreign DNA in Plant Cells", Nature, 287: 654-656 (1980).
	149	Herrera-Estrella et al., "Chimeric Genes as Dominant Selectable Markers in Plant Cells", The Embo Journal, 2(6): 987-995 (1993).
RK	150	Herrera-Estrella et al., "Expression of Chimaeric Genes Transferred into Plant Cells Using a Ti-Plasmid-Derived Vector", Nature, 303: 209-213 (1983).

EXAMINER	/Russell Kallis/	DATE CONSIDERED	07/10/2006
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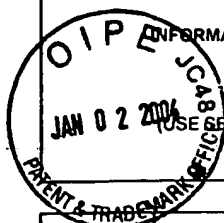
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5051-338	APPLICATION NO. 09/021,286
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (SEE SEVERAL SHEETS IF NECESSARY)		APPLICANT Conkling et al.	
		FILING DATE 10 February 1998	GROUP 1638



EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
RK	151	Hooykaas et al., "The Ti-Plasmid of Agrobacterium Tumefaciens: A Natural Genetic Engineer", TIBS, 307-309 (1985).
	152	Horsch et al., "A Simple and General Method for Transferring Genes into Plants", Biological Sciences, 227: 1229-1231 (1985).
	153	Lorz et al., "Transformation Studies Using Synthetic DNA Vectors Coding For Antibiotic Resistance", Plant Tissue Culture, 511-512 (1982).
	154	Smith et al., "Antisense RNA Inhibition of Polygalacturonase Gene Expression in Transgenic Tomatoes", Nature, 334: 724-726 (1988).
	155	Wang et al., "Right 25 bp Terminus Sequence of the Nopaline T- DNA is Essential for and Determines Direction of DNA Transfer from Agrobacterium to the Plant Genome", Cell, 38: 455-462 (1984).
	156	Database entry of Ensembl Human Genome Server, AC006461.2.1.181215, BLASTN 2.0a13MP-WashU [10-Jun-1997], 2 pp.
	157	Database entry of Ensembl Human Genome Server, AC024028.10.1.176278, BLASTN 2.0a13MP-WashU [10-Jun-1997], 3 pp.
	158	Database entry of Ensembl Human Genome Server, AC069205.6.1.132242, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	159	Database entry of Ensembl Human Genome Server, AC097498.3.1.144511, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	160	Database entry of Ensembl Human Genome Server, AC104785.4.111369.213599, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	161	Database entry of Ensembl Human Genome Server, AC105416.3.1.123331, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	162	Database entry of Ensembl Human Genome Server, AC108146.3.1.91810, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	163	Database entry of Ensembl Human Genome Server, AC115109.2.1.59356, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.
	164	Genbank entry U27809. Peanut bud necrosis virus S segment non-structural protein and nucleocapsid protein genes, 23-Jul-1996, 3 pp.
	165	The Sanger Centre, "Toward a Complete Human Genome Sequence", Cold Spring Harbor Laboratory Press, 1097-1108, (1988).
	166	Satyanarayana et al., "Peanut Bud Necrosis Tospovirus S RNA : Complete Nucleotide Sequence, Genome Organization and Homology to Other Tospoviruses", Arch. Virol. 141 (1), 85-98 (1996)
	167	Genbank entry AB005879. Nicotiana tabacum mRNA for BYJ6, 05-Feb-1999, 2pp.
	168	Genbank entry AC002131. Arabidopsis thaliana chromosome 1 BAC F12F1 sequence, 28-May-1998, 38 pp.
	169	Genbank entry AC006461. Homo sapiens BAC clone RP11-343N14 from 2, 01-Mar-2002, 65 pp.
	170	Genbank entry AC024028. Homo sapiens BAC clone RP11-151M24 from 7, 07-Nov-2001, 68 pp.
	171	Genbank entry AC069205. Homo sapiens BAC clone RP11-735P12 from 2, 09-Jan-2002, 46 pp.
	172	Genbank entry AC079141. Homo sapiens BAC clone RP11-502A23 from 4, 07-Nov-2001, 43 pp.
RK	173	Genbank entry AC097498. Homo sapiens BAC clone RP11-326N15 from 4, 01-Mar-2002, 51pp.

EXAMINER	/Russell Kallis/	DATE CONSIDERED	07/10/2006
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		FILING DATE 10 February 1998	GROUP 1638



EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
RK	174	Genbank entry AC105416. Homo sapiens BAC clone RP11-310A13 from 4, 12-Jun-2002, 47 pp.
RK	175	Genbank entry AC108146. Homo sapiens BAC clone RP11-437H3 from 2, 09-Mar-2002, 32 pp.
RK	176	Genbank entry AC115109. Homo sapiens BAC clone RP11-78110 from 2, 29-May-2002, 23 pp.
RK	177	Genbank entry AR164048. Sequence 7 from patent US 6271031, 17-Oct-2001, 1 pp.
RK	178	Genbank entry AR164050. Sequence 11 from patent US 6271031, 17-Oct-2001, 1pp.
RK	179	Genbank entry AX344860. Sequence 285 from patent US WO0200927, 1-Feb-2002, 4pp.
RK	180	Imanishi et al., "Differential Induction by Methyl Jasmonate of Genes Encoding Ornithine Decarboxylase and Other Enzymes Involved in Nicotine Biosynthesis in Tobacco Cell Cultures", Plant Molecular Biology, 38: 1101-1111 (1998).
	181	Results of search of Genbank Database, BLASTN 2.2.3 [Apr-24-2002], RID:1026175671-06698-1397, 15pp.
	182	Results of search of Genbank Database, BLASTN 2.2.3 [Apr-24-2002], RID:1026319792-012476-25945, 30pp.
RK	183	Theologis et al., "Sequence and Analysis of Chromosome 1 of the Plant Arabidopsis Thaliana", Nature, 408: 816-820 (2000).

EXAMINER	/Russell Kallis/	DATE CONSIDERED	07/10/2006
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Application Number	09/963,340
Filing Date	September 24, 2001
First Named Inventor	Conkling et al.
Group Art Unit	1639
Examiner Name	Kallis
Attorney Docket Number	5051-338CT

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OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
RR	3	European Search Report Application No. 04004192.3, September 17, 2004	
RR	4	European Search Report Application No. 04004191.5, September 17, 2004	

/Russell Kallis/

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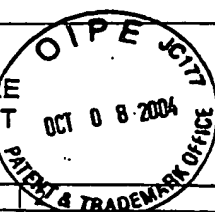
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	To Be Assigned
Filing Date	September 21, 2001
First Named Inventor	Mark A. Conkling
Group Art Unit	
Examiner Name	
Attorney Docket Number	5051.338CT

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
RK	1	5,107,065		Shewmaker et al.	4/21/92	
	2	5,254,800		Bird et al.	10/19/93	
	3	5,260,205		Nakatani et al.	11/9/93	
	4	5,356,799		Fabijanski et al.	10/18/94	
	5	5,365,015		Grierson et al.	11/15/94	
	6	5,369,023		Nakatani et al.	11/29/94	
	7	5,451,514		Boudet et al.	9/19/95	
	8	5,453,566		Shewmaker et al.	9/26/95	
	9	5,610,288		Rubenstein	3/11/97	
RK	10	5,684,241		Nakatani et al.	11/4/97	

FOREIGN PATENT DOCUMENTS

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		Office	Number	Kind Code (if known)				
	11		WO 00/67558		PCT			
	12		WO 93/0546		PCT			
	13		WO 94/28142		PCT			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
RK	14	Burtin, D., et al., <i>Over expression of Arginine Decarboxylase in Transgenic Plants</i> , <i>Biochem. J.</i> , Vol. 325 (Part 2), pp. 331-337 (1997).	
	15	Bush, et al., <i>Nicotine Biosynthetic Enzymes of Burley Tobacco</i> , <i>Tobacco Abstracts</i> , Vol. 24, pg. 260 (1980)	
	16	Bush, et al., <i>Physiological Aspects of Genetic Variation in Nicotine Content in Tobacco (Nicotiana tabacum)</i> , <i>Tobacco Abstract</i> , Vol. 23, pg. 30 (1979).	
	17	Conkling, et al., <i>Isolation of transcriptionally regulated root-specific genes from tobacco</i> ; <i>Plant Physiology</i> , Vol. 93, No. 3, pp. 1203-1211 (1990)	
	18	Copy of International Search Report - date of mailing 22/10/98	
	19	Cornelissen, et al., <i>Both RNA Level and Translation Efficiency are Reduced by Anti-Sense RNA in Transgenic Tobacco</i> , <i>Nucleic Acids Res.</i> , Vol. 17, No. 3, pp. 833-843 (1989).	
	20	Crowley, et al., <i>Cell</i> , Vol. 43, pp. 633-641 (1985)	
	21	Cuozzo, et al., <i>Viral Protection in Transgenic Tobacco Plants Expressing the Cucumber Mosaic Virus Coat Protein Or Its Antisense RNA</i> , <i>Biotechnology</i> , Vol. 6, pp. 549-557 (1988)	
	22	Delauney, et al., <i>A Stable Bifunctional Antisense Transcript Inhibiting Gene Expression in Transgenic Plants</i> , <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, pp. 4300-4304 (1988)	
	23	Ecker, et al., <i>Inhibition of Gene Expression in Plant Cells by Expression of Antisense RNA</i> , <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 83, pp. 5372-5376 (1986)	
	24	Feth, et al., <i>Regulation in Tobacco Callus or Enzyme Activities of the Nicotine Pathway</i> , <i>Planta</i> , Vol. 168, pp. 402-407	
	25	Hamill, et al.; <i>Over-expressing a yeast ornithine decarboxylase gene in transgenic roots of Nicotiana rustica can lead to enhanced nicotine accumulation</i> , <i>Plant Molecular Biology</i> , Vol. 15, pp. 27-38 (1990)	
	26	Hemenway, et al., <i>Analysis of the Mechanism of Protection in Transgenic Plants Expressing the Potato Virus x Coat Protein or Its Antisense RNA</i> , <i>EMBO J.</i> , Vol. 7, pp. 1273-1280	
	27	Hibi, et al., <i>Gene Expression in Tobacco Low-Nicotine Mutants</i> , <i>Plant Cell</i> , Vol. 6, pp. 723-735 (1994)	
	28	Holmberg, et al.; <i>Transgenic tobacco expressing Vitreoscilla hemoglobin exhibits enhanced growth and altered metabolite production</i> , <i>Nature Biotechnology</i> , Vol. 15, pp. 244-247 (1997)	
	29	Hughes, Kelly T., et al., <i>The Salmonella typhimurium nadC Gene: Sequence Determination by Use of Mud-P22 and Purification of Quinolinate Phosphoribosyltransferase</i> , <i>Journal of Bacteriology</i> , Vol. 175, No. 2, pp. 479-486 (Jan. 1993)	
RK	30	Izant, et al., <i>Constitutive and conditional Suppression of Exogenous and Endogenous Genes by Anti-Sense RNA</i> , <i>Science</i> , Vol. 229, pp. 345-352 (1985)	

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/Russell Kallis/

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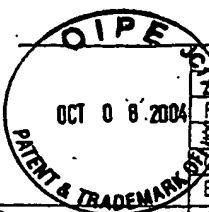
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Sheet 2

of 2



Complete if Known

Application Number	To Be Assigned
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First Named Inventor	Mark A. Conkling
Group Art Unit	
Examiner Name	
Attorney Docket Number	5051.338CT

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
RK	31	Izant, et al., <i>Inhibition of Thymidine Kinase Gene Expression by Anti-Sense RNA: A Molecular Approach to Genetic Analysis</i> , Cell, Vol. 36, pp. 1007-1015 (April 1984)	
	32	Kim, et al., <i>Stable Reduction of Thymidine Kinase Activity in Cells Expressing High Levels of Anti-Sense RNA</i> , Cell, Vol. 42, pp. 129-138 (August 1985)	
	33	Lam, et al., <i>Site-Specific Mutations Alter In Vitro Factor Binding and Change Promoter Expression Pattern in Transgenic Plants</i> , Proc. Nat. Acad. Sci. USA, Vol. 86, pp. 7890-7894 (1989)	
	34	Lichtenstein, <i>Anti-sense RNA As A Tool To Study Plant Gene Expression</i> , Nature, Vol. 333, pp. 801-802 (1988)	
	35	McGarry, et al., Proc. Natl. Acad. Sci. USA (1986)	
	36	Melton, <i>Injected Anti-Sense RNAs Specifically Block Messenger RNA Translation In Vivo</i> , Proc. Natl. Acad. Sci. USA, Vol. 82, pp. 144-148 (1985)	
	37	Mizuno, et al., <i>A Unique Mechanism Regulating Gene Expression: Translational Inhibition By a Complementary RNA Transcript (micRNA)</i> , Trends in Genetics, Vol. 1, pp. 22-25 (1985)	
	38	Ohta, et al., <i>Metabolic Key Step Discriminating Nicotine Producing Tobacco Callus Strain From Ineffective One</i> , Biochem. Physiol. Pflanzen, Vol. 175, pp. 382-385 (1980)	
	39	Pestka, et al., <i>Anti-mRNA: Specific Inhibition of Translation of Single mRNA Molecules</i> , Proc. Natl. Acad. Sci. USA, Vol. 81, pp. 7525-7528 (1984)	
	40	Poulsen, et al., <i>Dissection of 5' Upstream Sequences for Selective Expression of the Nicotiana Plumbaginifolia rbcS-8B gene</i> , Mol. Gen. Genet., Vol. 214, pp. 16-23 (1988)	
	41	Preiss, et al., <i>Molecular genetics of Krüppel, A Gene Required for Segmentation of the Drosophila Embryo</i> , Plant Molecular Biology, Vol. 11, pp. 463-471 (1988)	
	42	Rezaian, et al., <i>Anti-Sense RNAs of Cucumber Mosaic Virus in Transgenic Plants Assessed For Control of the Virus</i> , Plant Molecular Biology, Vol. 11, pp. 463-471 (1988)	
	43	Rodermel, et al., <i>Nuclear-Organelle Interactions: Nuclear Antisense Gene Inhibits Ribulose Biphosphate Carboxylase Enzyme Levels In Transformed Tobacco Plants</i> , Cell, Vol. 55, pp. 673-681 (1988)	
	44	Rosenberg, et al., <i>Production of Phenocopies by Krüppel Antisense RNA Injection Into Drosophila Embryos</i> , Nature, Vol. 313, pp. 703-706 (1985)	
	45	Rothstein, et al., <i>Stable and Heritable Inhibition of the Expression of Nopaline Synthase in Tobacco Expressing Antisense RNA</i> , Proc. Natl. Sci. USA, Vol. 84, pp. 8439-8443 (1987)	
	46	Sandler, et al., <i>Inhibition of Gene Expression in Transformed Plants by Antisense RNA</i> , Plant Molecular Biology, Vol. 11, pp. 301-310 (1988)	
	47	Saunders, et al., <i>Comparison of Nicotine Biosynthetic Enzymes in Nicotine Level Genotypes of Burley Tobacco</i> , Agronomy Abstracts, pg. 84 (1978)	
	48	Saunders, et al., <i>Enzyme Activities in Nicotine Biosynthesis in Nicotiana Tabacum</i> , Journal of National Products, Vol. 41, pg. 646	
	49	Sheehy, et al., <i>Reduction of Polygalacturonase Activity in Tomato Fruit by Antisense RNA</i> , Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 8805-8809 (1988)	
	50	Smith, et al., <i>Antisense RNA Inhibition of Polygalacturonase Gene Expression in Transgenic Tomatoes</i> , Nature, Vol. 334, pp. 724-726 (1988)	
	51	Song, Wen, <i>Molecular characterizations of two tobacco root-specific genes: TobRB7 and NtQPT1(1997)</i> ; UMI, Order No. DA9804246 from: Diss. Abstr. Int., B, Vol. 58, No. 8, pg. 4061; 224 pp. available; XP002080228	
	52	Travers, <i>Regulation by Anti-Sense RNA</i> , Nature, Vol. 310, pg. 410 (1984)	
	53	Van der Krol, et al., <i>An Anti-Sense Chalcone Synthase Gene in Transgenic Plants Inhibits Flower Pigmentation</i> , Nature, Vol. 333, pp. 866-869 (1988)	
	54	Van der Krol, et al., <i>Antisense Genes in Plants: An Overview</i> , Gene, Vol. 72, pp. 45-50 (1988)	
	55	Van der Krol, et al., <i>Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences</i> , Biotechniques, Vol. 6, pp. 958-976 (1988)	
	56	Wagner, et al., <i>Regulation in Tobacco Callus of Enzyme Activities of the Nicotine Pathway</i> , Planta, Vol. 168, pp. 408-412.	
	57	Wagner, et al., <i>The Regulation of Enzyme Activities of the Nicotine Pathway in Tobacco</i> , Physiol. Plantarum, Vol. 68, pp. 667-672 (1986)	
	58	Wagner, Roland, et al., <i>Determination of Quinolinic Acid Phosphoribosyl-Transferase in Tobacco</i> , Phytochemistry, Vol. 23, No. 9, pp. 1881-1883 (1984)	
RK	59	Weintraub, et al., <i>Anti-sense RNA as a Molecular Tool for Genetic Analysis</i> , Trends in Genetics, Vol. 1, pp. 22-25 (1985)	
	60	West, et al., <i>Duplex-Duplex Interactions Catalyzed by RecA Protein Allow Strand Exchanges to Pass Double-Strand Breaks in DNA</i> , Cell, pp. 683-691 (1984)	
Examiner Signature		/Russell Kallis/	Date Considered 07/10/2006

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Sheet	D1	of	D1	Application Number	09/963,340
				Filing Date	September 24, 2001
				First Named Inventor	Conkling et al.
				Group Art Unit	1639
				Examiner Name	Kallis
				Attorney Docket Number	5051-338CT

U.S. PATENTS AND PATENT PUBLICATIONS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		US-			
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		Office	Number	Kind Code (if known)			
RK	1	WO	94/28142	A	Philip Morris Products, Inc.	12-08-1994	

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
RK	2	European Search Report Application No. 04004191.5, July 12, 2004	
RK	3	European Search Report Application No. 04004192.3, July 12, 2004	
RK	4	Hamill et al., "Over-expressing a yeast ornithine decarboxylase gene in transgenic roots of <i>Nicotiana rustica</i> can lead to enhanced nicotine accumulation," Plant Molecular Biology, Vol. 15, 1990, pp. 27-38	
RK	5	Database EMBL Online! EBI; clone TAP0198, March 5, 1996, XP002285509, 2 pages.	
RK	6	Holmberg et al., "Transgenic tobacco expressing Vitreoscilla hemoglobin exhibits enhanced growth and altered metabolite production", Nature Biotechnology, Vol. 15, 1997, pp. 244-247.	

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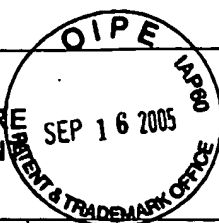
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Sheet 1 of 5

**Complete if Known**

Application Number	09/963,340
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First Named Inventor	Mark Conkling
Group Art Unit	1638
Examiner Name	Russell Kallis
Attorney Docket Number	5051.338CT

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		Number	Kind Code (if known)		
RK	1.	4,751,348		Russell et al.	06/14/1988
	2.	4,943,674		Houck et al.	07/1990
	3.	4,962,028		Bedbrook et al.	10/1990
	4.	5,097,025		Benfey et al.	03/1992
	5.	5,157,115		Taniguchi	10/1992
	6.	5,177,308		Barton et al.	01/1993
	7.	5,179,022		Sanford et al.	01/1993
	8.	5,204,253		Sanford et al.	04/1993
	9.	5,229,292		Stock et al.	07/1993
	10.	5,371,015		Sanford et al.	12/1994
	11.	5,478,744		Sanford et al.	12/1995
	12.	5,580,722		Foulkes et al.	12/1996
	13.	5,665,543		Foulkes et al.	09/1997
	14.	5,683,985		Chu et al.	11/1997
	15.	5,716,780		Edwards et al.	02/1998
	16.	5,843,720		Tangney et al.	12/1/1998
	17.	5,846,720		Foulkes et al.	12/1998
	18.	5,863,733		Foulkes et al.	01/1999
	19.	5,976,793		Foulkes et al.	11/1999
	20.	6,060,310		Cho-Chung	5/9/2000
	21.	6,077,992		Yadav	6/20/2000
	22.	6,136,799		Foulkes et al.	10/2000
	23.	6,165,712		Foulkes et al.	12/2000
	24.	6,203,976		Foulkes et al.	03/2001
	25.	6,262,033		Morishita et al.	7/17/2001
	26.	6,423,520		Conkling et al.	7/23/2002
	27.	6,586,661		Conkling et al.	7/1/2003
	28.	6,907,887		Conkling	06/21/2005
	29.	6,911,541		Conkling	06/28/2005
	30.	2003/0018997		Conkling et al.	01/23/2003
	31.	2003/0140366		Conkling et al.	07/24/2003
	32.	2004/0031074		Conkling et al.	02/12/2004
	33.	2004/0103454		Conkling et al.	05/27/2004
	34.	2004/0168211		Conkling et al.	08/26/2004

FOREIGN PATENT DOCUMENTS

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		Office	Number	Kind Code (if known)			
RK	35.	CA	2,032,443			06/20/1991	
RK	36.	CA	2,248,622			03/23/1999	
RK	37.	CA	2,325,344			10/21/1999	

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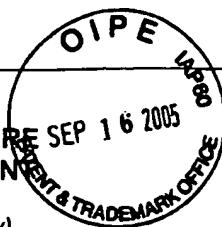
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Sheet 2

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Application Number	09/963,340
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First Named Inventor	Mark Conkling
Group Art Unit	1638
Examiner Name	Russell Kallis
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RK	38.	EP	0 647 715			04/12/1995	
	39.	EP	0 818 532 A1			01/14/1998	
	40.	WO	91/01379			02/07/1991	
	41.	WO	91/11535			08/08/1991	
	42.	WO	91/13992			09/19/1991	
	43.	WO	91/14790			10/03/1991	
	44.	WO	92/18522			10/29/1992	
	45.	WO	92/19732			11/12/1992	
	46.	WO	93/14768			08/05/1993	
	47.	WO	95/11687			05/04/1995	
	48.	WO	95/12415			05/11/1995	
	49.	WO	97/38723			10/23/1997	
	50.	WO	97/44064			11/27/1997	
	51.	WO	98/56923			12/12/1998	
	52.	WO	99/26634			06/03/1999	
	53.	WO	02/38588			05/16/2002	
RK	54.	WO	02/18607			03/07/2002	
	55.						

OTHER NON PATENT LITERATURE DOCUMENTS

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RK	56.	Abeyama et al. "A role for NF- κ B-Dependent Gene Transactivation in Sunburn" <i>The Journal of Clinical Investigation</i> 105(12):1751-1759 (June 2000).	
	57.	Adam et al. (1995) "Transcription of tobacco phytochrome-A genes initiates at multiple start sites and requires multiple <i>cis</i> -acting regulatory elements." <i>Plant Mol. Biol.</i> 29(5):983-993.	
	58.	Akimoto et al. "Growth Inhibition of Cultured Human Tenon's Fibroblastic Cells by Targeting the E2F Transcription Factor" <i>Exp. Eye Res.</i> 67:395-401 (1998).	
	59.	Aparicio et al. (2001) "Recognition of <i>cis</i> -acting sequences in RNA 3 of Prunus necrotic ringspot virus by the replicase of Alfalfa mosaic virus". <i>J. Gen. Virol.</i> 82(Pt 4):947-951.	
	60.	Blastn 2.2.3 RID: 1028939485-09139-26659 http://www.ncbi.nlm.nih.gov/blast/Blast.cgi , April 24, 2002	
	61.	Blastn 2.2.3 RID: 1029876573-03236-18654 http://www.ncbi.nlm.nih.gov/blast/Blast.cgi , April 24, 2002	
	62.	Bogusz et al. "Functioning Haemoglobin Genes in Non-Nodulating Plants" <i>Nature</i> 331:178-180 (1988)	
	63.	Borisjuk et al. (2000) "Tobacco ribosomal DNA spacer element stimulates amplification and expression of heterologous genes" <i>Nat. Biotechnol.</i> 18(12):1303-1306.	
	64.	Bustos et al. (1989) "Regulation of β -glucuronidase expression in transgenic tobacco plants by an A/T-rich, <i>cis</i> -acting sequence found upstream of a French bean β -phaseolin gene" <i>Plant Cell</i> 1(9):839-853.	
	65.	Clusel et al. (1995) "Inhibition of HSV-1 proliferation by decoy phosphodiester oligonucleotides containing ICP4 recognition sequences" <i>Gene Expr.</i> 4(6):301-309.	
	66.	D'Acquisto et al. "Local Administration of Transcription Factor Decoy Oligonucleotides to Nuclear Factor- κ B Prevents Carrageenin-Induced Inflammation in Rat Hind Paw" <i>Gene Therapy</i> 7:1731-1737 (2000) (abstract only)	
	67.	GenBank accession no. U08931, Nicotiana tabacum cryptic seed coat-specific promoter (1994)	
RK	68.	Ehsan et al. (2001) "Long-term stabilization of vein graft wall architecture and prolonged resistance to experimental atherosclerosis after E2F decoy oligonucleotide gene therapy" <i>J.</i>	

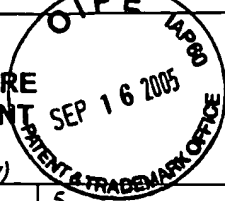
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				First Named Inventor	Mark Conkling
				Group Art Unit	1638
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				Attorney Docket Number	5051.338CT

RK		Thorac. Cardiovasc. Surg. 121(4):714-722.	
	69.	Evans et al. "Distribution of Root RNA Species in Other Vegetative Organs of Pea (<i>Pisum sativum</i> L.) <i>Mol. Gen. Genet.</i> 214:153-157 (1988)	
	70.	Fobert et al. "T-DNA Tagging of a Seed Coat-Specific Cryptic Promoter in Tobacco" <i>Plant Journal</i> 6(4):567-577 (1994)	
	71.	Fuller et al. "Soybean Nodulin Genes: Analysis of cDNA Clones Reveals Several Major Tissue-Specific Sequences in Nitrogen-Fixing Root Nodules" <i>Proc. Natl. Acad. Sci. USA</i> 80:2594-2598 (1983)	
	72.	Geffers et al. (2000) "Anaerobiosis-specific interaction of tobacco nuclear factors with cis-regulatory sequences in the maize GapC4 promoter" <i>Plant Mol. Biol.</i> 43(1):11-21.	
	73.	Genbank Accession No. AC021028. Homo sapiens chromosome 10 clone RP11-137H2, 44 pp. (2002)	
	74.	Hashimoto et al. "Intraspecific Variability of the Tandem Repeats in <i>Nicotiana</i> Putrescine N-Methyltransferases" <i>Plant Molecular Biology</i> 37:25-37 (1998)	
	75.	Hsu et al. "Phloem Mobility of Xenobiotics VI.A Phloem-Mobile Pro-Nematocide based on Oxamyl Exhibiting Root-Specific Activation in Transgenic Tobacco" <i>Pestic. Sci.</i> 44:9-19 (1995)	
	76.	International Search Report for International Application Serial No. PCT/US01/47371, mailed August 18, 2003	
	77.	International Search Report for International Application Serial No. PCT/US01/26788, mailed 07/17/2002	
	78.	Johnson et al. (2001) "Regulation of DNA binding and trans-activation by a xenobiotic stress-activated plant transcription factor" <i>J. Biol. Chem.</i> 276(1):172-178.	
	79.	Keller et al. "Specific Expression of a Novel Cell Wall Hydroxyproline-Rich Glycoprotein Gene in Lateral Root Initiation" <i>Genes & Dev.</i> 3:1639-1646 (1989) (Abstract only)	
	80.	Kitamoto et al. "Increased Activity of Nuclear Factor- κ B Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats" <i>Circulation</i> 102:806-812 (2000).	
	81.	Konopka (2000) "Rev-binding aptamer and CMV promoter act as decoys to inhibit HIV replication" <i>Gene</i> 255(2):235-244.	
	82.	Kubota et al. "Cloning of a Nuclear-Encoded Photosystem 1 Gene, <i>psaEb</i> , in <i>Nicotiana sylvestris</i> " <i>Plant Physiol</i> 108:1297-1298 (1995)	
	83.	Lee et al. "CRE-Transcription Factor Decoy Oligonucleotide Inhibition of MCF-7 Breast Cancer Cells: Cross-Talk with p53 Signaling Pathway" <i>Biochemistry</i> 39:4863-4868 (2000).	
	84.	Lerner et al. "Cloning and Characterization of Root-Specific Barley Lectin" <i>Plant Physiology</i> 91:124-129 (1989)	
	85.	Maniatis et al. "Regulation of Inducible and Tissue Specific Gene Expression" <i>Science</i> 237:1237-1244 (1987)	
	86.	Mann et al. "Ex-vivo Gene Therapy of Human Vascular Bypass Grafts with E2F Decoy: The PREVENT Single-Centre, Randomised, Controlled Trial" <i>The Lancet</i> 354:1493-1498 (October 30, 1999).	
	87.	Mann et al. "Pressure-Mediated Oligonucleotide Transfection of Rat and Human Cardiovascular Tissues" <i>Proc. Natl. Acad. Sci. USA</i> 96:6411-6416 (May 1999).	
	88.	Mischiati et al. "Interaction of the Human NF- κ B p52 Transcription Factor with DNA-PNA Hybrids Mimicking the NF- κ B Binding Sites of the Human Immunodeficiency Virus Type 1 Promoter" <i>The Journal of Biological Chemistry</i> 274(46):33114-33122 (1999).	
	89.	Morishita et al. (1995) "A gene therapy strategy using a transcription factor decoy of the E2F binding site inhibits smooth muscle proliferation in vivo" <i>Proc. Natl. Acad. Sci. USA</i> 92(13):5855-5859.	
RK	90.	Morishita et al. "Application of Transcription Factor "Decoy" Strategy as Means of Gene	

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First Named Inventor	Mark Conkling
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Attorney Docket Number	5051.338CT

RK		Therapy and Study of Gene Expression in Cardiovascular Disease" <i>Circ. Res.</i> 82:1023-1028 (1998).	
	91.	Morishita et al. "Role of AP-1 Complex in Angiotensin II-Mediated Transforming Growth Factor- β Expression and Growth of Smooth Muscle Cells: Using Decoy Approach Against AP-1 Binding Site" <i>Biochemical and Biophysical Research Communications</i> 243:361-367 (1998).	
	92.	Nastruzzi et al. "Liposomes as Carriers for DNA-PNA Hybrids" <i>Journal of Controlled Release</i> 68:237-249 (2000).	
	93.	GenBank Accession No. D42070 Tobacco psaEb gene for PSI-E subunit of photosystem I (1995)	
	94.	GenBank Accession No. X70902 N.tobacum T85 gene for auxin-binding protein (1998)	
	95.	Park et al. "Dual Blockade of Cyclic AMP Response Element-(CRE) and AP-1-Directed Transcription by CRE-Transcription Factor Decoy Oligonucleotide" <i>The Journal of Biological Chemistry</i> 274(3):1573-1580 (January 15, 1999).	
	96.	Piva et al. "Modulation of Estrogen Receptor Gene Transcription in Breast Cancer Cells by Liposome Delivered Decoy Molecules" <i>Journal of Steroid Biochemistry and Molecular Biology</i> 75:121-128 (2000).	
	97.	Raffy et al. "Novel Negative Regulator Element in the Platelet-Derived Growth Factor B Chain Promoter That Mediates ERK-Dependent Transcriptional Repression" <i>The Journal of Biological Chemistry</i> 275(15):11478-11483 (2000)	
	98.	Reichers et al., "Structure and Expression of the Gene Family Encoding Putrescine N-methyltransferase in <i>Nicotiana tabacum</i> : New Clues to the Evolutionary Origin of Cultivated Tobacco" <i>Plant Molecular Biology</i> 41:387-401 (1999)	
	99.	Sanford et al. "The Biolistic Process" <i>Trends in Biotechnology</i> 6:299-302 (1988)	
	100.	Sharma et al. (1996) "Transcription factor decoy approach to decipher the role of NF-kB in oncogenesis" <i>Anticancer Res.</i> 16(1):61-70.	
	101.	Siebertz et al. (1989) "cis-Analysis of the wound-inducible promoter wun1 in transgenic tobacco plants and histochemical localization of its expression" <i>Plant Cell</i> 1(10):961-968.	
	102.	Singer et al. "Transcription: The Transfer of DNA Sequence Information to RNA" <i>Genes and Genomes</i> section 3.2: 134-145, University Science Books, Mill Valley, CA (1991)	
	103.	Takata et al. "Novel Cis Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β -Receptor Gene" <i>Hypertension</i> 33(II):298-302 (1999).	
	104.	Tomita et al. "Transcription Factor Decoy for NF B Inhibits Cytokine and Adhesion Molecule Expressions in Synovial Cells Derived from Rheumatoid Arthritis" <i>Rheumatology</i> 39:749-757 (2000).	
	105.	Wadgaonkar et al. (1999) "CREB-binding protein is a nuclear integrator of nuclear factor-kB and p53 signaling" <i>J. Biol. Chem.</i> 274(4):1879-1882.	
	106.	Wang et al. (1992) "Characterization of cis-acting elements regulating transcription from the promoter of a constitutively active rice actin gene" <i>Mol. Cell Biol.</i> 12(8):3399-3406.	
	107.	Wang et al. "Targeted Disruption of Stat6 DNA Binding Activity by an Oligonucleotide Decoy Blocks IL-4-Driven TH2 Cell Response" <i>Blood</i> 95(4):1249-1257 (February 15, 2000).	
	108.	Watanabe et al. "Cloning and Expression of Two Genes Encoding Auxin-Binding Proteins From Tobacco" <i>Plant Molecular Biology</i> 36:63-74 (1998).	
	109.	Wu et al. "Inhibition of In Vitro Transcription by Specific Double-Stranded Oligodeoxyribonucleotides" <i>Gene</i> 89:203-209 (1990).	
	110.	Yamamoto "A Tobacco Root-Specific Gene; Characterization and Regulation of its Expression" <i>J. Cell Biochem.</i> 13(D) (Suppl.) (1989) (Abstract)	
RK	111.	Yamamoto "A Tobacco Root-Specific Gene; Characterization and Regulation of its Transcription" Ph.D. Thesis submitted to the Graduate Faculty of North Carolina State University. Genetics Department (1989)	

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RK	112.	Yamamoto et al. "Root-Specific Genes from Tobacco and <i>Arabidopsis</i> homologous to an Evolutionary Conserved Gene Family of Membrane Channel Proteins" <i>Nucleic Acids Research</i> 18:7449 (1990)	
RK	113.	Yamamoto et al. (1991) Characterization of <i>cis</i> -acting sequences regulating root-specific gene expression in tobacco. <i>Plant Cell</i> 3(4):371-382.	
RK	114.	Yia-Herttuala et al. "Cardiovascular Gene Therapy" <i>The Lancet</i> 355:213-222 (January 15, 2000).	

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